

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com





Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector, M12, Number of poles : 4, 3 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1108680300</u>
Туре	SAIP-M12W-4-3.0U
GTIN (EAN)	4032248888689
Qty.	1 pc(s).

Technical data



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with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accorda				
REACH SVHC Lead 7439-92-1 Technical specifications for cable Acceleration 5 m/s² Bending cycles at torsion > 5 Mio. Bending radius, min., moving 10 x cable diameter Colour coding brown, white, blue, black Bending radius, min., moving 10 x cable diameter Colour coding brown, white, blue, black Core in accordance with UL AWM style 10493 (80 °C / 300 V) Resistanton PP LABS-free Yes Insulation PP LABS-free Yes Outer cladding in accordance with UL 20233 (80 °C / 300 V) Mumber of poles 4.7 mm ± 0.2 mm Resistance to oils in accordance with IEC 60332-1-2, in accorda with IEC 60332-2-2, in accorda with IEC Gole 11:404 in accordance with IEC 60331-1:404 Fri 60332-2-2, in accorda with IEC Sheathing colour black Shielded No Shielded No Speed 5 m/s Shielded No Shielded No Sheathing colour black Shielded No Shielded No Coding A Coding A Contact surface Gold-plated Min Coding	Net weight	110 g		
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Resistance to oils Resistance to spread of flame in accordance with IEC 60332-1-2, in accordance with IEC 60332-2-2, In accordance with IEC 60332-1-3, in accordance with IEC 60332-1-3, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accordance with IEC 60332-1-3, in accordance with IEC 6032-1-3, in accordance with IEC 601, in a		20233 (80 °C / 300 V)		4.7 mm ± 0.2 mm
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Electrical properties	umpered			pill, ooddog,
	umpereu			
Insulation strength $10^8 \Omega$ Rated voltage $250 V$				

Connector standard

Certificate no. (cULus)

E307231

IEC 61076-2-101

Technical data



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Standards			
Jununus			
Connector standard	IEC 61076-2-101		
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11		
Approvals			
Approvals	(2	
Approvals	CE		
Approvals	Conform	DUS	
ROHS	Conform E307231	DUS	
		DUS	
ROHS UL File Number Search Downloads	E307231	Dus	
ROHS UL File Number Search Downloads Engineering Data	E307231 <u>CAD data – STEP</u>	Dus	
ROHS UL File Number Search Downloads Engineering Data Engineering Data	E307231 CAD data – STEP EPLAN, WSCAD	Dus TED	
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ROHS UL File Number Search	E307231 CAD data – STEP EPLAN, WSCAD	<u> 112 plastic nuts - DE</u>	

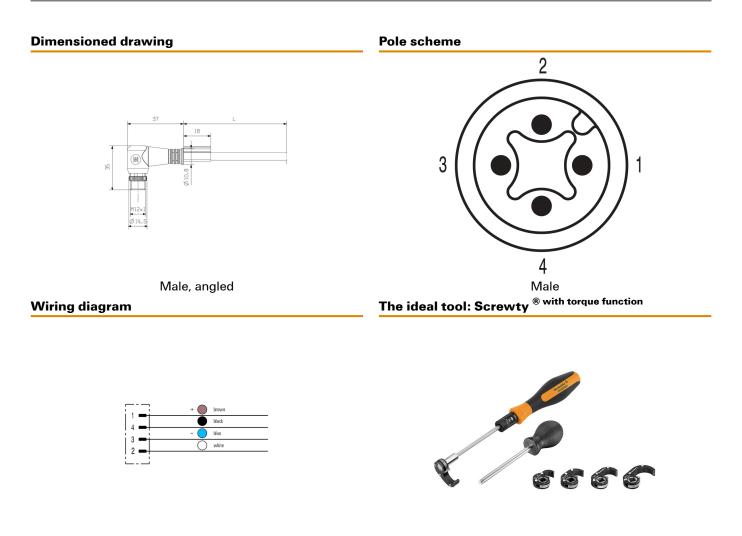
Drawings



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Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

Catalogue status 14.01.2022 / We reserve the right to make technical changes.



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Accessories

Screwty® cable gland tool with torque function



The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

General ordering data

	•	
Туре	SAI-SCREWTY BOX	Version
Order No.	<u>1939180000</u>	Bolting tool
GTIN (EAN)	4032248615506	
Qty.	1 pc(s).	
Туре	SCREWTY-M12-DM	Version
Order No.	<u>1900001000</u>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 pc(s).	
Туре	SCREWTY SW12	
Order No.	<u>2598970000</u>	
GTIN (EAN)	4050118781151	
Qty.	1 pc(s).	

Tools



- · Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- · Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- · Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

General ordering data

Туре	STRIPPER 6-16 RED-LINE	Version
Order No.	<u>9203110000</u>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	

Creation date January 20, 2022 5:41:28 PM CET

Accessories

Tools



General ordering data

 Type
 AM 12

 Order No.
 9030060000

 GTIN (EAN)
 4008190337827

 Qty.
 1 pc(s).

Version Tools, Sheathing strippers

Blank





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Sheathing stripper for PVC cables

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Preattachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

 Type
 TM-I
 18 MC NE WS

 Order No.
 1718431044

 GTIN (EAN)
 4008190349011

 Qty.
 320 pc(s).

TM-I, Insert markers, 18 x 4 mm, white

Creation date January 20, 2022 5:41:28 PM CET

Version



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Accessories

Туре	TM-I 18 MC NE GE	Version
Order No.	<u>1718431687</u>	TM-I, Insert markers, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 pc(s).	

Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Туре	KT 8	Version
Order No.	<u>9002650000</u>	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4008190020163	
Qty.	1 pc(s).	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Weidmuller: <u>1108680300</u>